

## Electronic Acknowledgement Receipt

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| <b>EFS ID:</b>                              | 1431024  |
| <b>Application Number:</b>                  | 10811230   |
| <b>International Application Number:</b>    |  |
| <b>Confirmation Number:</b>                 | 8995   |
| <b>Title of Invention:</b>                  | Ruthenium layer formation for copper film deposition |
| <b>First Named Inventor/Applicant Name:</b> | Seshadri Ganguli                                     |
| <b>Customer Number:</b>                     | 44257  |
| <b>Filer:</b>                               | John-Paul Francis Cherry                             |
| <b>Filer Authorized By:</b>                 |  |
| <b>Attorney Docket Number:</b>              | 005975/P2  |
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| <b>Application Type:</b>                    | Utility  |

### Payment information:

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| Submitted with Payment | no |
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### File Listing:

| Document Number | Document Description | File Name          | File Size(Bytes) | Multi Part /.zip | Pages (if appl.) |
|-----------------|----------------------|--------------------|------------------|------------------|------------------|
| 1               |                      | APPM5975P2_ROA.pdf | 1449465          | yes              | 33               |

|  | Multipart Description/PDF files in .zip description |       |     |
|--|---|-------|-----|
|  | Document Description                                | Start | End |
|  | Amendment - After Non-Final Rejection               | 1     | 29  |
|  | Drawings  | 30    | 31  |
|  | Terminal Disclaimer Filed                           | 32    | 32  |
|  | Fee Worksheet (PTO-06)                              | 33    | 33  |

**Warnings:**

**Information:**

|                                     |         |
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| <b>Total Files Size (in bytes):</b> | 1449465 |
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**New Applications Under 35 U.S.C. 111**

**If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.**

**National Stage of an International Application under 35 U.S.C. 371**

**If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.**